

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kevin J. Orvek  
Serial No. : 10/814,883  
Filed : March 31, 2004  
Title : REAL-TIME MONITORING OF PARTICLES IN SEMICONDUCTOR VACUUM ENVIRONMENT

Art Unit : 2823  
Examiner : Jarrett J. Stark  
Conf. No. : 7571

**MAIL STOP PETITIONS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**  
MAY 30 2007  
**OFFICE OF PETITIONS**

STATEMENT REGARDING POWER OF ATTORNEY

Under 37 CFR § 1.32(c)(3), please recognize the following registered patent practitioners as representatives for the above-referenced application.

Scott C. Harris, Reg. No. 32,030  
David L. Feigenbaum, Reg. No. 30,378  
Bing Ai, Reg. No. 43,312  
William Hunter, Reg. No. 47,671  
Ido Rabinovitch, Reg. No. L0080

John Hayden, Reg. No. 37,640  
Hans R. Troesch, Reg. No. 36,950  
David Simon, Reg. No. 32,756  
Kenneth M. Seddon, Reg. No. 43,105  
Denis G. Maloney, Reg. No. 29,670

A signed Power of Attorney for the above-identified application is attached.

Please apply any required fees to deposit account 06-1050, referencing the attorney docket number shown above.

Respectfully submitted,

Date:

*May 29, 2007*

*Ido Rabinovitch*  
Ido Rabinovitch

Attorney for Intel Corporation  
Reg. No. L0080

PTO Customer No. 20985  
Fish & Richardson P.C.  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906  
21641251.doc

**CERTIFICATE OF DELIVERY BY HAND**

I hereby certify that this correspondence is being delivered by hand on the date indicated below and is addressed to the U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Mail Stop Petitions, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202.

*May 30, 2007*  
Date of Delivery

*Arlette Footes*  
Signature

*Arlette Footes*  
Typed or Printed Name of Person Signing Certificate

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**RECEIVED**

**MAY 30 2007**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

**OFFICE OF PETITIONS**

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled REAL-TIME MONITORING OF PARTICLES IN SEMICONDUCTOR VACUUM ENVIRONMENT, the specification of which was filed on March 31, 2004 as Application Serial No. 10/814,883.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

I hereby appoint the Practitioners at **Customer Number 20985** to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Scott C. Harris, Reg. No. 32,030  
David L. Feigenbaum, Reg. No. 30,378  
Hans R. Troesch, Reg. No. 36,950  
Bing Ai, Reg. No. 43,312  
Frederick H. Rabin, Reg. No. 24,488  
John C. Philips, Reg. No. 35,322  
Ido Rabinovitch, Reg. No. L0080

John Hayden, Reg. No. 37,640  
Dorothy Whelan, Reg. No. 33,814  
Linda G. Gunderson, Reg. No. 46,341  
Richard J. Anderson, Reg. No. 36,732  
Samuel Borodach, Reg. No. 38,388  
William Hunter, Reg. No. 47,671  
Denis G. Maloney, Reg. No. 29,670

I also hereby appoint the following:

Alan K. Aldous, Reg. No. 31,905; Shireen I. Bacon, Reg. No. 40,494; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg. No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Paul Nagy, Reg. No. 37,896; Dennis A. Nicholls, Reg. No. 42,036; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Kenneth M. Seddon, Reg. No. 43,105; Mark

**Combined Declaration and Power of Attorney**

Page 2 of 3 Pages

**RECEIVED**

MAY 30 2007

**OFFICE OF PETITIONS**

Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys, and my patent agents, of INTEL CORPORATION, with offices located at 2200 Mission College Blvd., Santa Clara, CA 95052, telephone (408)765-8080; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Direct all telephone calls to SCOTT C. HARRIS at telephone number (858) 678-5070.

Direct all correspondence to the following:

**20985****PTO Customer Number**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: KEVIN J. ORVEK

Inventor's Signature: Kevin J. Orvek

Date: May 24, 2007

Residence Address:

Worcester., MA

Citizenship:

United States of America

Post Office Address:

60 Barnard Road

Worcester, Massachusetts 01605

Full Name of Inventor: DAVID J. PUI

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address:

Plymouth, MN

Citizenship:

United States of America

Post Office Address:

12855 34<sup>th</sup> Avenue, N.

Plymouth, Minnesota 55441

Full Name of Inventor: YI LIU

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence Address:

Minnetonka, MN

Citizenship:

China

Post Office Address:

1019 29th Ave SE, Apt. D

Minneapolis, Minnesota 55414

**Combined Declaration and Power of Attorney**

Page 2 of 3 Pages

Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells, Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys, and my patent agents, of INTEL CORPORATION, with offices located at 2200 Mission College Blvd., Santa Clara, CA 95052, telephone (408)765-8080; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Direct all telephone calls to SCOTT C. HARRIS at telephone number (858) 678-5070.

Direct all correspondence to the following:

**20985**  
**PTO Customer Number**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: KEVIN J. ORVEK

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence Address: Worcester., MA  
Citizenship: United States of America  
Post Office Address: 60 Barnard Road  
Worcester, Massachusetts 01605

Full Name of Inventor: DAVID Y. PUI

Inventor's Signature: David Y. H. Pui Date: 5/22/07  
Residence Address: Plymouth, MN  
Citizenship: United States of America  
Post Office Address: 12855 34<sup>th</sup> Avenue, N.  
Plymouth, Minnesota 55441

Full Name of Inventor: YI LIU

Inventor's Signature: [Signature] Date: 5/22/2007  
Residence Address: Minnetonka, MN  
Citizenship: China  
Post Office Address: 1019 29th Ave SE, Apt. D  
Minneapolis, Minnesota 55414

**Combined Declaration and Power of Attorney**

Page 3 of 3 Pages

Full Name of Inventor: CHRISTOF ASBACH

Inventor's Signature: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Oberhausen, Germany

Germany

Brucktorstrasse 78

46047 Oberhausen, Germany

Date: \_\_\_\_\_

5/22/2007

Full Name of Inventor: HEINZ FISSAN

Inventor's Signature: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Kerken-Aldekerk, Germany

Germany

Narzissenweg 61

47647 Kerken-Aldekerk, Germany

Date: \_\_\_\_\_

5/22/2007